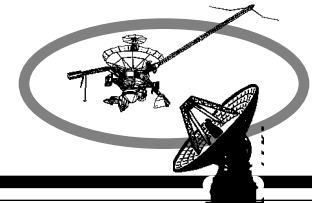


# Communications Systems Analysis

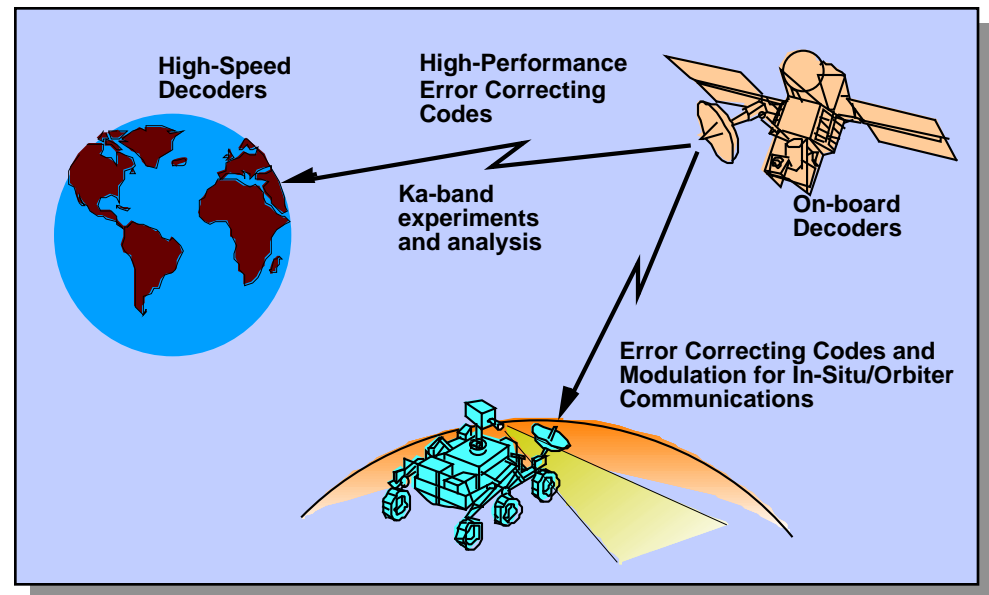

**JPL**

## • Overall Objective

- Develop innovative information technologies to enable future missions at lower cost and with higher scientific returns

## • Goals and Products

- Develop error-correcting coding and modulation schemes for future deep-space missions, and provide new methods for telemetry data processing
- Develop decoder architectures. Demonstrate coding and decoding concepts
- Perform overall system analysis and experiments to characterize operational performance and evaluate technology alternatives for future deep space communications



Focus on optimizing the efficiency of telecom system to achieve higher science returns at lower cost

